

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE 03/03815

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60J7/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 36 25 628 A (EMIL ROHRER FA) 11 February 1988 (1988-02-11) column 5, line 6 - line 14 column 6, line 41 - line 44 figures 3,6 -----	1
A	PATENT ABSTRACTS OF JAPAN vol. 0101, no. 15 (M-474), 30 April 1986 (1986-04-30) -& JP 60 244620 A (TAKASHI ADACHI), 4 December 1985 (1985-12-04) abstract; figures 1-16 -----	1,6
A	DE 39 30 343 A (RUECKER GMBH) 14 March 1991 (1991-03-14) column 6, line 59 - column 7, line 13 figures 9,10 -----	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
5 April 2004	15/04/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Verkerk, E

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/105205 A1 (WILLARD MICHAEL) 8 August 2002 (2002-08-08) cited in the application figures 2-5	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE 03/03815

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 3625628	A	11-02-1988	DE	3625628 A1		11-02-1988
JP 60244620	A	04-12-1985	JP	1056002 B		28-11-1989
			JP	1572660 C		20-08-1990
"DE 3930343	A	14-03-1991	DE	3930343 A1		14-03-1991
US 2002105205	A1	08-08-2002	DE	10204859 A1		14-08-2002